

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application. Please cancel claims 26-66; please amend claims 1 and 5-7.

Claim 1 (currently amended): A recyclable adhesive or adhesive coating comprising a polymer which is soluble or dispersible in water, wherein the polymer [[has]] comprises at least 5 to 40 mol % of cationic repeat units and a backbone compound, and wherein the adhesive or coating is attracted to fibers during paper recycling.

Claim 2 (previously presented): The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive is substantially tacky such that it forms a pressure-sensitive adhesive which is capable of bonding to a surface upon contact.

Claim 3 (withdrawn): The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive is a hot-melt adhesive capable of bonding to a surface when heated to above its melting point temperature.

Claim 4 (withdrawn): The recyclable adhesive or adhesive coating of claim 3, wherein the hot melt adhesive is formed by reacting polyamide with epichlorohydrin.

Claim 5 (withdrawn): The recyclable adhesive or adhesive coating of claim 1, wherein the polymer comprises a cationically charged monomer of 3-(methacrylamino)

propyltrimethyl-ammonium chloride and a backbone compound of n-butyl acrylate co-polymerizable with the cationically charged monomer.

Claim 6 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the backbone compound is present in the amount of 60 to 95 mole % based on the polymer.

Claim 7 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the backbone compound is present in the amount of 80 to 90 mole % based on the polymer.

Claim 8 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the cationically charged monomer is present in the amount of 5 to 40 mole % based on the polymer.

Claim 9 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the cationically charged monomer is present in the amount of 8 to 25 mole % based on the polymer.

Claims 10-12 (canceled).

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Claim 13 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the polymer further comprises an internal cross-linker present in the amount of up to 2 mole %, based on the polymer.

Claim 14 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the polymer further comprises an internal cross-linker present in the amount of 0.1 to 1 mole %, based on the polymer.

Claim 15 (withdrawn): The recyclable adhesive or adhesive coating of claim 13, wherein the internal cross-linker is chosen from at least one of ethylene glycol dimethylate, diallyl maleate, diallyl phthalate, divinyl benzene, and poly(ethylene glycol) di(meth)acrylate.

Claims 16-17 (canceled).

Claim 18 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the polymer further comprises up to 35 mole % based on the polymer of an uncharged water soluble monomer or macromer.

Claim 19 (withdrawn): The recyclable adhesive or adhesive coating of claim 18, wherein the uncharged water soluble monomer or macromer is chosen from at least one of dialkylaminoethyl methacrylate, hydroxy alkyl (meth)acrylate, hydroxy alkyl vinyl

ether, poly(ethylene glycol) (meth)acrylate, polyethylene glycol, glycerol, and diethylenetriamine.

Claim 20 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the adhesive further comprises a plasticizer to increase the flexibility of the adhesive.

Claim 21 (withdrawn): The recyclable adhesive or adhesive coating of claim 5, wherein the adhesive further comprises a tackifier to render the adhesive tacky.

Claim 22 (previously presented): The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a tape.

Claim 23 (previously presented): The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a label.

Claim 24 (previously presented): The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a paper coating.

Claim 25 (previously presented): The recyclable adhesive or adhesive coating of claim 1, wherein the adhesive or adhesive coating forms a self-adhesive stamp.

Claims 26-66 (canceled).